



# City of Bandon

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(541) 347-2437

*Bandon by the Sea*

|   |                         |
|---|-------------------------|
| <b>CITY COUNCIL CONSENT AGENDA</b>                    | <b>DATE: 06-03-2024</b> |
| <b>SUBJECT: CONSOLIDATED MUNICIPAL UTILITY REPORT</b> | <b>ITEM NO: 3.8</b>     |

## **BACKGROUND:**

The accompanying Consolidated Municipal Utility Report is for April/May 2024 and provides reports from the three public utilities (enterprises).

## **FISCAL IMPACT:**

Report Only

## **RECOMMENDATION:**

Motion to approve as part of the Consent Calendar Items.

## **SUBMITTED BY:**

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**DENISE RUSSELL, UTILITIES OFFICE MANAGER**

## **ELECTRIC DEPT MONTHLY REPORT May 2024**

The Electric Department is responsible for the safe distribution of power to the citizens of Bandon and the surrounding area. The duties include, as the budget and time permits:

- Maintaining overhead and underground power lines, substations, and metering systems.
- Building new lines, connecting new services, and undergrounding overhead lines within the city limits.

### **THIS MONTH'S WORK:**

The Electric Department has been working with the Port of Bandon to supply electric services for the new docks and future Port offices. Along with the new services, repairs to the existing Port buildings are in progress as well. Most of the trenching is around the Loft restaurant and Bandon Fish Market. Metal plates cover the trenching until the work is completed and paving contractors can be arranged to finish the access to Port parking. Trenching should be done by the end of May with paving repairs to follow.

The Electric Department has been changing poles in the South area of town. The poles being replaced are part of a pole inspection processes that found rotted or damaged poles in an inspected area. Whenever crew members see a pole that is rotted, damaged or has woodpecker holes, it goes on a list to be changed. Help, from the Citizens of Bandon, is welcomed in this effort. If someone discovers a woodpecker hole or damage to a Bandon power pole, call City Hall and report it to the Electric Department, it will be much appreciated. The next area to be inspected is the East side of town, from Ohio Avenue SE to North Avenue area and West to Riverside Drive. We are anticipating up to a 10% pole change rate in that area, around 30 poles.

Submitted By:



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**JIM WICKSTROM, ELECTRIC SUPERVISOR**

## CONSERVATION DEPARTMENT MONTHLY REPORT

**May 2024**

The City contracts with the Efficiency Services Group (ESG) to administer an energy savings program funded by Bonneville Power Administration (BPA). The City Conservation Department oversees and provides direction to ESG; and ESG processes all commercial, industrial, and residential rebates, performs all audits and inspections, and reports energy savings to BPA.

City staff assist customers by providing forms and answering questions. ESG provides a toll-free telephone number for technical questions and support. Once ESG staff assist customers with completing appropriate applications and paperwork, completes the audit(s) and/or inspection(s), paperwork is transferred to City staff to process and distribute rebates to customers.

In April, there were no efficiency rebates distributed.

Submitted by:



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**DENISE RUSSELL, UTILITIES OFFICE MANAGER**

|                                       |                        |
|---------------------------------------|------------------------|
| <b>CITY COUNCIL CONSENT AGENDA</b>    | <b>DATE 06-03-2024</b> |
| <b>SUBJECT: WATER TREATMENT PLANT</b> | <b>ITEM NO:</b>        |

**BACKGROUND:**

Attached are the monthly reports for April 2024. We are still working on the timeline for the report for more accuracy. As you can see, we are over 15% water loss. We have compiled the approximate water flushed, and added it in. The data is approximate due to variables in the field.

**FISCAL IMPACT:**

**RECOMMENDATION:**

Motion to approve as part of the Consent Calendar Items.

**SUBMITTED BY:**

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**JIM YOURAVISH, WATER PLANT OPERATOR**

**City of Bandon Water Utility**  
 Annual Water Usage Report

| <b>Month</b> | <b>Gallons of Water Leaving Plant</b> | <b>Gallons of Water Backwashed</b> | <b>Gallons of Water Sold</b> | <b>Percent Loss</b> |
|--------------|---------------------------------------|------------------------------------|------------------------------|---------------------|
| May-23       | 12,588,393                            | 602,963                            | 9,223,932                    | -21.94              |
| Jun-23       | 15,888,642                            | 960,071                            | 13,117,550                   | -11.40              |
| Jul-23       | 18,910,932                            | 1,118,357                          | 14,305,910                   | -18.44              |
| Aug-23       | 22,961,432                            | 894,880                            | 17,242,592                   | -21.01              |
| Sep-23       | 23,198,342                            | 745,256                            | 20,604,903                   | -7.97               |
| Oct-23       | 19,213,977                            | 746,612                            | 14,377,709                   | -21.28              |
| Nov-23       | 16,592,727                            | 596,949                            | 11,983,074                   | -24.18              |
| Dec-23       | 15,197,291                            | 595,965                            | 11,885,795                   | -17.87              |
| Jan-24       | 13,377,961                            | 445,494                            | 8,748,973                    | -31.27              |
| Feb-24       | 13,562,037                            | 521,293                            | 8,788,968                    | -31.35              |
| Mar-24       | 11,573,062                            | 518,974                            | 9,365,364                    | -14.59              |
| Apr-24       | 11,573,991                            | 592,091                            | 10,934,545                   | -17.54              |
| <b>Total</b> | <b>194,638,787</b>                    | <b>8,338,905</b>                   | <b>150,579,315</b>           | <b>- 19.90</b>      |

\*Note: Gallons of Water Discharged is unmetered water that has been treated and discharged by the City during the course of performing routine facility maintenance.

Per State water guidelines, water utilities should not exceed 15% water loss over the course of one year.

# WATER TREATMENT PLANT ACTIVITY REPORT FEBRUARY 2024

| PARAMETERS  | WATER PLANT OPERATIONS | EPA ALLOWABLE LIMIT   |
|---|------------------------|---|
| WATER TREATED (GALLONS)   | 14,138,759             |   |
| DAILY AVERAGE (GALLONS)   | 471,292                |   |
| TREATED WATER LEAVING PLANT   | 15,157,883             |   |
| AVERAGE TURBIDITY(NTUs)   | 0.034                  | MAXIMUM 30  |
| AVERAGE PH (7.00 IS NEUTRAL)  | 7.47                   | MINIMUM 7.1 LEAVING PLANT   |
| AVERAGE CHLORINE RESIDUAL LEAVING PLANT (PPM)                                     | 0.69                   | MINIMUM 0.2 LEAVING PLANT.<br>TRACE AT LAST CONNECTION MAXIMUM 4.0      |
| WEEKLY FECAL COLIFORM AND E. COLI TEST  | 0 POSITIVE             | 0 POSITIVE FOR FECAL COLIFORM & E. COLI<br>TAKEN IN DISTRIBUTION SYSTEM |
| THE WATER TREATMENT PLANT MET ALL EPA REQUIREMENTS FOR THE MONTH OF JANUARY 2024. |                        |   |

|  |                         |
|--|-------------------------|
| <b>CITY COUNCIL CONSENT AGENDA</b>         | <b>DATE: 06-03-2024</b> |
| <b>SUBJECT: WASTEWATER TREATMENT PLANT</b> | <b>ITEM NO:</b>         |

**BACKGROUND:**

Attached is the monthly Wastewater Plant activity report for April 2024. The City's Wastewater facility treated 14,765 gallons of wastewater this month, for an average of 492,000 gallons treated daily. All permit requirements were met for the month of April 2024.

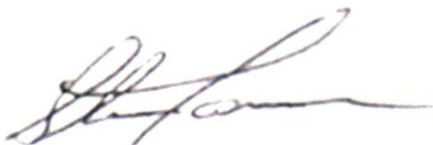
**FISCAL IMPACT:**

None

**RECOMMENDATION:**

Motion to approve as part of the Consent Calendar Items.

**SUBMITTED BY:**



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**STEVEN JAMES, TREATMENT PLANT OPERATOR**

| <b>WASTEWATER PLANT ACTIVITY REPORT FOR APRIL 2024</b>                    |  |                           |                                |
|---|--|---------------------------|--------------------------------|
| TSS   | Total suspended solids                             | PPM                       | Parts permillion (same s MG/L) |
| INF   | Influent-incoming untreated wastewater             | MG/L                      | Milligrams per liter           |
| EFF   | Effluent - outgoing treated wastewater             | MLS                       | Milliliters of water           |
| BOD   | Biochemical oxygen demand (strength of wastewater) |                           |                                |
| <b>Table 1: Treatment Plant Operations</b>                                |  |                           |                                |
| PARAMETERS AND UNITS  | MAXIMUM SUMMER DEQ PERMIT                          | MAXIMUM WINTER DEQ PERMIT | AVERAGE MONTHLY OPERATIONS     |
| <b>EFF BOD AVERAGE</b>  |  |                           |                                |
| MG/L or PPM   | 20   | 30                        | 8                              |
| POUNDS/DAY  | 75   | 110                       | 31                             |
| <b>EFF TSS AVERAGE</b>  |  |                           |                                |
| MG/L or PPM   | 20   | 30                        | 7                              |
| POUNDS/DAY  | 75   | 110                       | 28                             |
| <b>FECAL COLIFORM</b>   |  |                           |                                |
| COLONIES/100 MLS  | 14   | 14                        | 9                              |
| <b>INF FLOW AVERAGE</b>   |  |                           |                                |
| GALLONS/DAY   |  |                           | 492,000                        |
| <b>INF SOLIDS AVERAGE</b>   |  | <b>DESIGN</b>             | <b>RECEIVED</b>                |
| BOD POUNDS/DAY  |  | 1150                      | 722                            |
| TSS POUNDS/DAY  |  | 1350                      | 1234                           |
| *SUMMER MAY 1 -OCTOBER 31 **WINTER NOVEMBER 1 -APRIL 30                   |  |                           |                                |
| 1. TREATMENT PLANT OPERATIONAL SYNOPSES                                   |  |                           |                                |
| The Wastewater Plant has met all DEQ permits for the month of April 2024. |  |                           |                                |